

# TYPE APPROVAL CERTIFICATE

Certificate no.:  
**TAA000007E**  
 Revision No:  
**2**

**This is to certify:**  
**that the Miscellaneous**

with type designation(s)  
**Joystick Switches, WK, WE, KB, KF, KE, KC**

issued to  
**Euchner GmbH + Co. KG**  
**Leinfelden-Echterdingen, Baden-Württemberg, Germany**

is found to comply with  
**DNV rules for classification – Ships, offshore units, and high speed and light craft**

## Application:

**Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV.**

## Location classes

Location classes:

Type	Temperature	Humidity	Vibration	EMC	Enclosure
<b>Joystick Switches</b>					
<b>WK</b>	<b>B</b>	<b>B</b>	<b>A</b>	<b>N.A</b>	<b>A</b>
<b>WE</b>	<b>B</b>	<b>B</b>	<b>A</b>	<b>N.A.</b>	<b>A</b>
<b>KB</b>	<b>B</b>	<b>B</b>	<b>A</b>	<b>N.A.</b>	<b>A</b>
<b>KF</b>	<b>B</b>	<b>B</b>	<b>A</b>	<b>N.A.</b>	<b>A</b>
<b>KE</b>	<b>B</b>	<b>B</b>	<b>A</b>	<b>N.A</b>	<b>A</b>
<b>KC</b>	<b>B</b>	<b>B</b>	<b>A</b>	<b>N.A.</b>	<b>A</b>

Issued at **Hamburg** on **2025-11-19**

This Certificate is valid until **2030-11-18**.

DNV local unit: **Augsburg**

Approval Engineer: **Johannes Kindermann**



for **DNV**

This document has been digitally signed and will therefore not have handwritten signature

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid. The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to USD 300 000.

## Product description

Type WK: 1 to 8 actuating directions with spring return switches or combined 1 changeover contact for each direction. Utilization Category : AC 15 230V/4A, DC 13 24V/2A , I min 12mA/24V.

Type WE: 1 to 8 actuating directions with stayput or spring return switches or combined 1 changeover contact for each direction. Utilization Category : AC 15 230V/10A, DC 13 24V/4A , I min 50mA/24V.

Type KB: 1 to 8 actuating directions, 4 switching elements, with stayput or spring return switches or combined 1 changeover contact for each direction. Utilization Category with silver-contacts: AC 15 230V/5A, DC 13 24V/3A , I min 10mA/24V with gold-contacts: DC 13 24V/2A , I min 1mA/ 12VDC or U min 5VDC.

Type KF: 1 to 8 actuating directions, 4 switching elements, with stayput or spring return switches or combined 1 changeover contact for each direction. Utilization Category : AC 15 230V/5A, DC 13 24V/3A , I min 10mA/24V.

Type KE: 1 to 8 actuating directions, 4 switching elements, with stayput or spring return switches or combined 1 changeover contact for each direction. Utilization Category : AC 15 230V/4A, DC 13 24V/2A , I min 12mA/24V.

Type KC: 1 to 8 actuating directions with one or two contacts in each direction, with stayput or spring return switches or combined. Utilization Category : AC 15 230V/4A, DC 13 24V/2A , I min 12mA/24V.

## Type Approval documentation

Test reports: Prüfbericht 12/00 and 46/05 and 025/2011 and 075/2015.

## Tests carried out

Applicable tests according to Class Guideline DNV-CG-0339, Edition August 2021.

## Marking of product

The products to be marked with: - manufacturer name - model name - serial number - power supply ratings

## Periodical assessment

The scope of the periodical assessment is to verify that the conditions stipulated for the type are complied with, and that no alterations are made to the product design or choice of systems, software versions, components and/or materials. The main elements of the assessment are:

- Ensure that type approved documentation is available
- Inspection of factory samples, selected at random from the production line (where practicable)
- Review of production and inspection routines, including test records from product sample tests and control routines
- Ensuring that systems, software versions, components and/or materials used comply with type approved documents and/or referenced system, software, component and material specifications
- Review of possible changes in design of systems, software versions, components, materials and/or performance, and make sure that such changes do not affect the type approval given
- Ensuring traceability between manufacturer's product type marking and the type approval certificate

Periodical assessment is to be performed after 2 years and after 3.5 years. A renewal assessment will be performed at renewal of the certificate.

## Manufactured by:

EUCHNER GmbH + Co.  
Kohlhammerstraße 16 70771 Leinfelden-Echterdingen Germany